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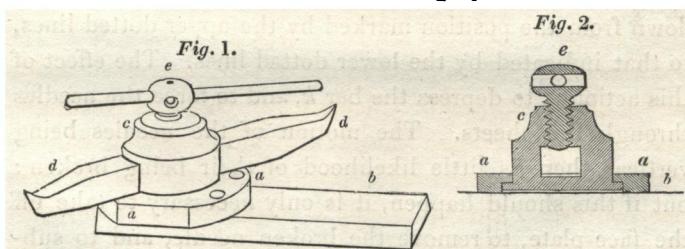
chines in London for the same purpose; but these appear scarcely to be known in the trade, except by the two bookbinders to whom they belong, and by whom they are used, and seem, in some respects, inferior to Mr. Watts's.

No. II.

IMPROVED BOX FOR A SLIDE REST.

The SILVER ISIS MEDAL was presented to Mr. PARSSON, of Great Guilford Street, for an improved Box for a Slide Rest to a Lathe for turning Iron; which has been placed in the Society's Repository.

THE essential novelty of Mr. Parsson's invention consists in the rotatory motion of adjustment that the box possesses, whereby the workman may choose the best position of the tool with reference to any particular kind of work, and may likewise work considerably beyond the length of the slide. It will be found very convenient in clearing the shoulders of castings from the sand which adheres to them, as well as in boring cylinders.



c is the holder, having a circular flanch at bottom, as shewn in section fig. 2, aa is a ring or collar hollowed out

in the under part to admit the flanch of the holder, and allow it free liberty of circular motion. The holder being laid on the slide *b*, the ring is dropped over it and is screwed down to the slide, as shewn fig. 1. The square hole in the holder through which the boring bar *dd* passes, is cut so low (as shewn in the section) that the boring bar, when passed through it, rests, not on the bottom of the hole, but on the upper surface of the ring, and therefore has a broader bearing than if it rested on the hole. The boring bar being brought to its proper position for the work, by turning the holder on its axis, is secured in its place by the strong screw *e*, which likewise prevents, at the same time, all motion in the holder.

The neck *c*, if preferred, may be left of its full width at top, and may have two screws to bind the tool the firmer.

No. III.

DOUBLE DRIVER FOR A LATHE.

The Thanks of the Society were presented to Mr. JAMES JONES, of Well Street, Wellclose Square, for a Double Driver for a Lathe Chuck.

IN the 47th vol. p. 131, is the description of a double driver invented by Mr. Clement; in which it is stated, that even in the best lathes it is impossible to turn a cylinder, or any other long article, perfectly true between the centres of the lathe. This arises from the circumstance that when the tool is applied, there being no counter-pressure in the opposite direction, the work recedes in some degree from the tool, forming a slight